

Appl. Ser. No. 10/018,168

Att. Docket No. 10191/2054

Reply to Office Action of September 11, 2003

Amendments to the CLAIMS:

Without prejudice, this listing of the claims replaces all prior versions and listings of the claims in the present application:

LISTING OF CLAIMS:

1-16. (Canceled).

17. (Currently Amended) A device for measuring at least one parameter of a medium flowing in a main direction of flow in a line, comprising:

a measuring element circumflowed by the medium and positioned in the line; and

at least one constriction configured to produce acoustic disturbances in the medium and positioned along a circumferential line of ~~[[in]]~~ the line upstream of the measuring element;

wherein the at least one constriction is circumflowed by the medium and includes a mechanical-acoustic prevention element, the prevention element including at least two radial elevations circumflowed by the medium and the at least two radial elevations being arranged along the circumferential line, so as to at least reduce the acoustic disturbances.

18. (Currently Amended) The device according to claim 17, wherein the at least one parameter includes ~~[[to]]~~ a mass flow.

19. (Previously Presented) The device according to claim 18, wherein the mass flow includes an intake air mass flow of an internal combustion engine.

20. (Previously Presented) The device according to claim 17, further comprising at least one element positioned in the line and configured to reduce an impact of one of fluid and solid particles on the measuring element.

21. (Previously Presented) The device according to claim 20, wherein the element configured to reduce the impact of one of fluid and solid particles includes a tubular body

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having a flow channel through which the medium flows, the measuring element being located in the tubular body.

22. (Previously Presented) The device according to claim 20, wherein the element configured to reduce the impact of one of fluid and solid particles includes a protective screen located in one of the line and the tubular body.

23. (Canceled).

24. (Currently Amended) The device according to claim ~~[[23]]~~ 17, wherein the radial elevation includes a rectangular cross-section arranged at a right angle to the main direction of flow.

25. (Currently Amended) The device according to claim ~~[[23]]~~ 17, wherein the radial elevation includes a trapezoidal cross-section arranged at a right angle to the main direction of flow.

26. (Currently Amended) The device according to claim ~~[[23]]~~ 17, wherein the radial elevation includes one of an oval and a circular cross-section arranged at a right angle to the main direction of flow.

27. (Currently Amended) The device according to claim ~~[[23]]~~ 17, wherein radial elevations are evenly spaced in relation to one another along a radial circumferential line of the line.

28. (Currently Amended) The device according to claim ~~[[23]]~~ 17, wherein radial elevations have a same shape.

29. (Previously Presented) The device according claim 17, wherein the line includes a center line, the acoustic prevention element including an aperture provided in the line and

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having a radial limiting line, a radial distance between the radial limiting line and the center line varying in a radial circumferential direction.

30. (Previously Presented) The device according to claim 29, wherein the radial limiting line of the aperture is wave-shaped.

31. (Previously Presented) The device according to claim 17, wherein the at least one prevention element is rounded against the main direction of flow.

32. (Previously Presented) The device according to claim 17, further comprising a flow straightener provided in the line and integrated into a rigid conduit that is insertable into the line, the at least one prevention element provided as a single unit on the rigid conduit.

33. (Previously Presented) The device according to claim 17, wherein the at least one prevention element is provided as a single unit on a rigid conduit that is insertable into the line.

34. (Previously Presented) The device according to claim 17, wherein the at least one prevention element is configured as a single unit with a wall of the line.

35. (New) The device according to claim 17, wherein the constriction is configured to at least reduce the ring-shaped eddies.

36. (New) The device according to claim 35, wherein the constriction at least reduces the acoustic disturbance associated with the ring-shaped eddies.